

Notice of Allowability

Application No.

10/801,451

Examiner

Kuen S. Lu

Applicant(s)

MOHAMMED ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/11, 17/2007.
2. ☒ The allowed claim(s) is/are 1-9, 11, 15-24, 26 and 30-32, (renumbered to 1-24).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 1/17/2008.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

2. The Action is responsive to Applicants' Request for Continued Examination (RCE) filed October 17, 2007 and Amendment filed October 11, 2007. It is acknowledged amendments were made to claims 1, 16 and 31.

3. After a thorough search and examination of the present application, and in light of the following:

prior art made of record;

an Examiner's Amendments made January 17, 2008 which was authorized to amend claims 1, 10-13, 16, 25-28 and 31-32; and

a update search on prior art conducted in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc);

Claims 1-9, 11, 15-24, 26 and 30-32 (renumbered to 1 to 24) are allowed.

Examiner's Amendments

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this Examiner's Amendments, listed below was given on January 17, 2008 in a telephone interview with Mr. Jason Lindh, Registration Number 59,090.

4.1. Please amend claims 1, 10-13, 16, 25-28 and 31-32 as follows:

1. (Currently Amended) A method of notifying a user of the activation of a domain, comprising:

receiving a domain change request from a requesting entity;

logging information obtained from the domain change request;

monitoring a change implementation entity to determine when a domain specified in the domain change request has become active with the change, by a monitoring entity,

wherein the monitoring sends a domain name system (DNS) request to the change implementation entity and receives a reply back from the change implementation entity that reflects whether the domain is active or not,

wherein the reply provides an address of a domain name server in the domain name system,

wherein a determination of whether the domain is active or not is made by

comparing the address specified in the reply with a stored updated name server address, and

wherein the domain is determined to be active when the address specified in the reply matches the stored updated name server address; and

sending a notification that the domain is active to a recipient entity when the domain has been determined to become active,

wherein the sending of the notification comprises sending an electronic mail message to the recipient entity from the monitoring entity.

10. (Canceled)

11. (Currently Amended) The method of claim ~~40~~ 1, further including repeating the sending of a request and receiving of a reply until a reply is received that indicates that the domain is active.

12. (Canceled)

13. (Canceled)

16. (Currently Amended) An apparatus for notifying a user of the activation of a domain, comprising:

one or more processors;

memory;

interface logic configured to receive a domain change request from a requesting entity;

monitoring setup logic configured to log information obtained from the domain change request;

monitoring logic configured to monitor a change implementation entity to determine when a domain specified in the domain change request has become active with the domain change request,

wherein the monitoring logic sends a domain name system (DNS) request to the change implementation entity and receives a reply back from the change implementation entity that reflects whether the domain is active or not,

wherein the reply provides an address of a domain name server in the domain name system,

wherein a determination of whether the domain is active or not is made by comparing the address specified in the reply with a stored updated name server address, and

wherein the domain is determined to be active when the address specified in the reply matches the stored updated name server address; and

notification logic configured to send a notification that the domain is active with the domain change request to a recipient entity when the domain has been determined to become active with the domain change request, wherein the notification logic is configured to send the notification by sending an electronic mail message to the

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recipient entity.

25. (Canceled)

26. (Currently Amended) The apparatus of claim ~~25~~ 16, wherein the monitoring logic is further configured to repeat the sending of a request and receiving of a reply until a reply is received that indicates that the domain is active.

27. (Canceled)

28. (Canceled)

31. (Currently Amended) An apparatus for notifying a user of the activation of a domain, comprising:

means for receiving a domain change request from a requesting entity;

means for logging information obtained from the domain change request;

means for monitoring a change implementation entity to determine when a domain specified in the domain change request has become active with the change,

wherein the means for monitoring sends a domain name system (DNS) request to the change implementation entity and receives a reply back from the change implementation entity that reflects whether the domain is active or not,

wherein the reply provides an address of a domain name server in the domain

name system,

wherein a determination of whether the domain is active or not is made by comparing the address specified in the reply with a stored updated name server address, and

wherein the domain is determined to be active when the address specified in the reply matches the stored updated name server address; and

means for sending a notification to a recipient entity when the domain has been determined to become active with the change, wherein the sending of the notification comprises sending an electronic mail message to the recipient entity.

32. (Currently Amended) A computer readable storage medium including machine readable instructions stored upon for implementing the means for receiving, means for logging, means for monitoring, and means for sending recited in claim 31.

Reason for Allowable

5. The following is the Examiner's statement of reasons for allowance:

In the Examiner's Office Action, dated 4/20/2007, the Final Rejection under 35 U.S.C. § 103 rejections was made mainly based on the reference Burstein et al.: "METHOD AND APPARATUS PROVIDING DISTRIBUTED DOMAIN MANAGEMENT CAPABILITIES", U.S. Patent 7,076,541, issued July 11, 2006, hereafter "Burstein"; and in view of Colvig et al.: "APPARATUS AND METHOD TO REMOTELY CHANGE IP ADDRESS OF SERVER", U.S. Patent Application Publication 2004/0133664, published July 8, 2004, hereafter "Colvig".

In a response filed October 11, 2007 to the Office Action of April 20, 2007, Applicants amended independent claims 1, 16 and 31 and traversed the 35 U.S.C. § 103 rejections by stating that Burstein and Colvig references individually or in combination fails to teach mainly the following two limitations described in each of independent claims 1, 16 and 31:

**"monitoring a change implementation entity to determine when a domain specified in the domain change request has become active with the change, by a monitoring entity; and
sending a notification that the domain is active to a recipient entity when the domain has been determined to become active, wherein the sending of the notification comprises sending an electronic mail message to the recipient entity from the monitoring entity."**

Based on the argument and **subject matter as described above**, the subject matter of **"monitoring a change implementation entity to determine when a domain specified in the domain change request has become active with the change, by a monitoring entity; and
sending a notification that the domain is active to a recipient entity when the domain has been determined to become active, wherein the sending of the notification comprises sending an electronic mail message to the recipient entity from the monitoring entity."** is a feature distinguishes from Burstein's

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back end email server which sends message without including monitoring entity while Colvig teaches changing IP address of a server. Therefore, Burstein does not monitor a change implementation entity to determine if the domain specified in a domain change request has become active with the change. In the Examiner's Amendment, the detail steps of determining if the domain specified in a domain change request has become active with the change is authorized to be incorporated in each of the independent claims 1, 16 and 31. Based on the subject matter as amended and incorporated, Examiner is persuaded that the two cited references do not fairly teach or suggest the subject matter described by the combined limitations as highlighted above and further detailed in the Examiner's Amendment in each of the independent claims 1, 16 and 31.

An update search on prior art in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) has been conducted. The prior art searched and investigated in the domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) do not fairly teach or suggest teaching of the subject matter as described by the combined limitations as highlighted above and further detailed in the Examiner's Amendment in each of the independent claims 1, 16 and 31.

Claims (2-9, 11 and 15), (17-24, 26 and 30) and (32) are directly or indirectly dependent upon the independent claims 1, 16 and 31, and are also distinct from the prior arts for the same reason.

After a search and a thorough examination of the present Application and in light of the prior art, Claims 1-9, 11, 15-24, 26 and 30-32 (renumbered to 1 to 24) are allowed.

Conclusions

6. Any comments considered necessary by Applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Contact Information

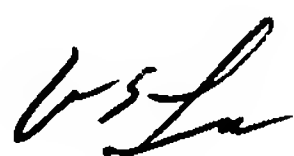
7. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Kuen S. Lu whose telephone number is (571)-272-4114. The examiner can normally be reached on Monday-Friday (8:00 am-5:00 pm). If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, John Cottingham can be reached on (571)-272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for Page 13 published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-27-9197 (toll free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, please call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KUEN S. LU
PRIMARY EXAMINER

Kuen S. Lu, 

Patent Examiner, Art Unit 2167,

January 18, 2008